



We Care About Our Planet

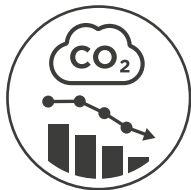
Our company sees sustainable development as a trend that satisfies today's needs while protecting the needs of future generations. Sustainability means finding balance between the economy, the social aspects of life and the environment daily in our work.

HOW DOES SAINT-GOBAIN ADFORS TAKE CARE OF THE ENVIRONMENT?

Between 2010 and 2020, we have reduced:



ENERGY
by 14%



CO₂
by 16%



WATER
by 46%

And that is not all. In line with the objectives of the European Union's Green Deal, our company has set an ambitious target of becoming **carbon neutral by 2050**, a significant commitment to improve the planet's air quality.

Environmental protection as Saint-Gobain ADFORS priority

ADFORS GlasGrid asphalt pavement reinforcement saves much needed building material

There is currently a shortage of materials for road and motorway construction in Europe, mainly asphalt, aggregate and gravel. One of the main advantages of asphalt reinforcement systems is the significant extension of the service life of roadways, which also prolongs maintenance and repair intervals. This saves money on valuable construction materials, as around 300 million tonnes of hot-mix asphalt are used in road construction in Europe every year because 90% of European roads are made of asphalt.

What's more...

The ADFORS GlasGrid product range offers reinforcements for application **without need for tack coat**.

- less machinery
- less asphalt binder
- less time
- fewer workers

↓ **AS A RESULT, WE REDUCE CO₂ EMISSIONS AND THUS CONTRIBUTE TO THE PROTECTION OF OUR ENVIRONMENT.**

WE HELP IMPROVE THE CONDITION OF ROADS AND THE ENVIRONMENT. LET'S HELP TOGETHER.

PROVEN!

ADFORS GlasGrid self-adhesive geogrids reduce total CO₂ emissions by approx. 20% per 1 km of EU motorway used over 30 years compared to an unreinforced motorway thanks to fewer repairs!

An independent company from Sweden has evaluated and calculated the positive environmental impact of ADFORS GlasGrid GG self-adhesive geogrid, comparing two 1 km long motorway sections over a 30-year period. The motorway section repaired without the use of road reinforcement was compared with a section of the motorway maintained using GlasGrid GG. The geogrids reduced total CO₂ emissions by 19%, amounting to **197 tonnes of CO₂** thanks to extended repair intervals of the road surface.



**197 tonnes
of CO₂ emissions**



**112 Paris-New York
return flights**

Imagine...

There are 13 000 km of motorways in Germany. If we applied ADFORS GlasGrid geogrids to every kilometre of German motorways, we would save an incredible 2 561 000 tonnes of CO₂ by reducing the number of repairs and maintenance by at least one repair over a 30-year period!



**2,5 mil tonnes of CO₂
emissions**



**production
of 426 000
midsize
passenger cars**

And that's not all...

Another specific example of a sustainable solution is the largest project in GlasGrid's more than 30-year history. In 2021, ADFORS CZ supplied 540 000 m² of self-adhesive geogrid for the repair of the A1 motorway section from Chirpan to Stara Zagora in Bulgaria.



432 000 kg

less sprayed tack coat



3x

longer motorway service life



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The self-adhesive function of the geogrid allows application without nails and sprayed tack coat. This brings advantages:

- Significant reduction in the amount of sprayed tack coat (approx. 60% less) during construction
- Fewer installation workers (approx. 50% fewer)
- Faster application of the reinforcement (approx. 20% less time)